

AIN 024-16A

ADVISORY/RESTRICTION REGARDING HARDENED DOWNBORE CANNON RESIDUE
WHEN FIRING 155MM HOWITZERS WITH CHARGE, PROPELLING, 155MM:
M203A1 (DODAC 1320-D532) AND M232A1 (DODAC 1320-DA13)

RECORD DISTANCE FROM REAR FACE OF TUBE (RFT) AND CATEGORY OF
RESIDUE OBSERVED IN THE BORE PER THE FOLLOWING DESCRIPTIONS:

CLEAN: BASE METAL IS VISIBLE ON ALL LANDS AND GROOVES.
CARBON OR COPPER STREAKING, STAINS OR DISCOLORATION MAY BE
PRESENT. SMALL UNIDENTIFIED TRACES OF GRAY MATERIAL MIGHT BE
PRESENT.

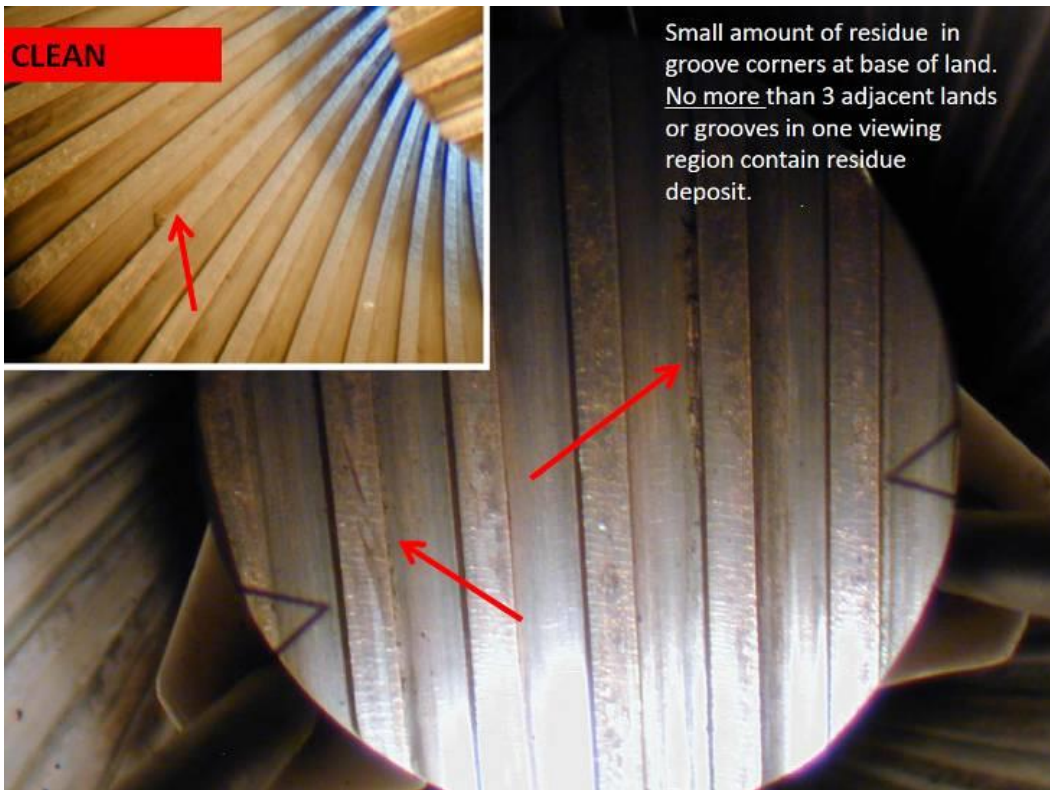
MILD: MORE THAN 3 ADJACENT LANDS CONTAIN A GRAY RESIDUE
DEPOSIT OR MORE THAN 3 ADJACENT GROOVES CONTAIN A GRAY RESIDUE
DEPOSIT. DEPOSIT OBSERVED IS CLEARLY BUILT UP ON SURFACE OF
LAND OR GROOVE. MORE THAN 50% OF THE BORESCOPE VIEWING AREA
TUBE BASE METAL IS STILL VISIBLE. RESIDUE MAY BE COLLECTED ON
THE SIDEWALL OF THE LANDS FOR MORE THAN 3 ADJACENT LANDS.
COPPER MIGHT BE MIXED WITH THE GRAY RESIDUE.

SEVERE: LESS THAN 50% OF THE CANNON TUBE BASE METAL IS
VISIBLE IN ANY BORESCOPE VIEWING AREA. RESIDUE MAY BE COATING
BOTTOMS OF GROOVES OR TOPS OF LANDS. COPPER MIGHT BE MIXED WITH
THE GRAY RESIDUE.

PHOTOS ON THE FOLLOWING PAGES SHOW EXAMPLES OF EACH
CLASSIFICATION.

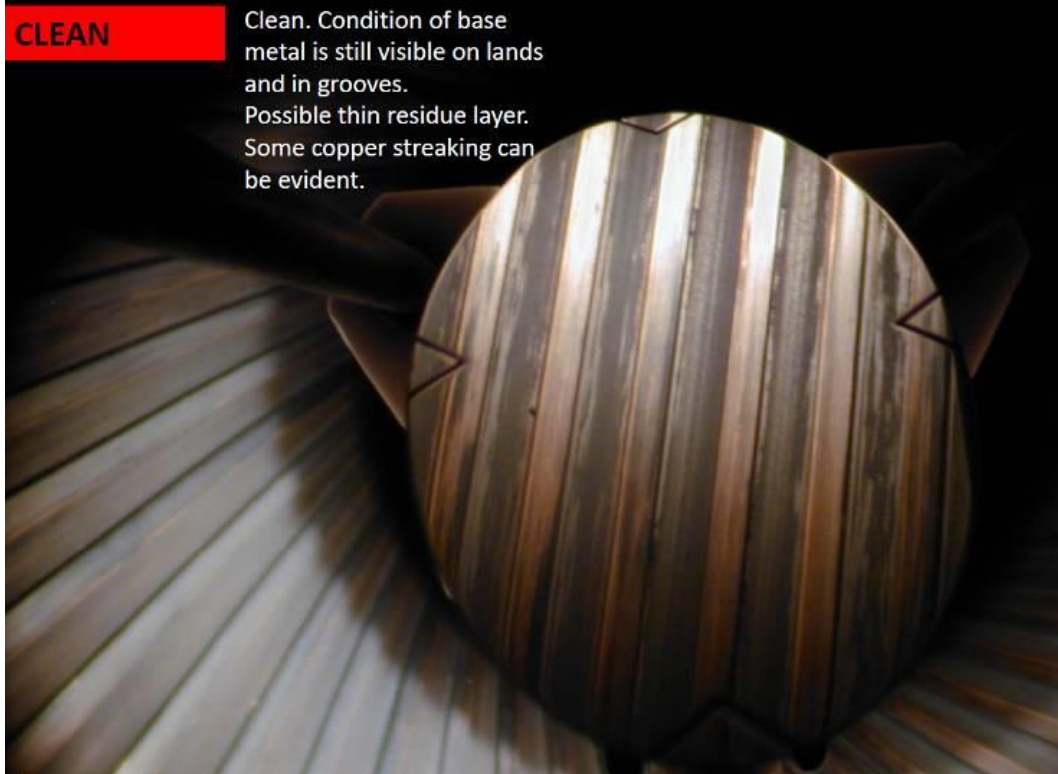
AIN 024-16A

CLEAN PHOTO EXAMPLES:



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CLEAN PHOTO EXAMPLES:



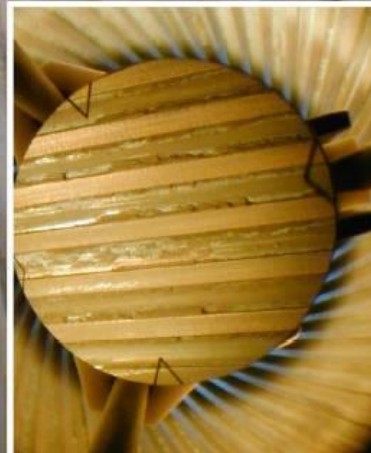
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MILD PHOTO EXAMPLES:



Small amount of residue in groove corners at base of land.

More than 3 adjacent lands in one viewing region contain residue deposit. Cannon Tube base metal is still visible.

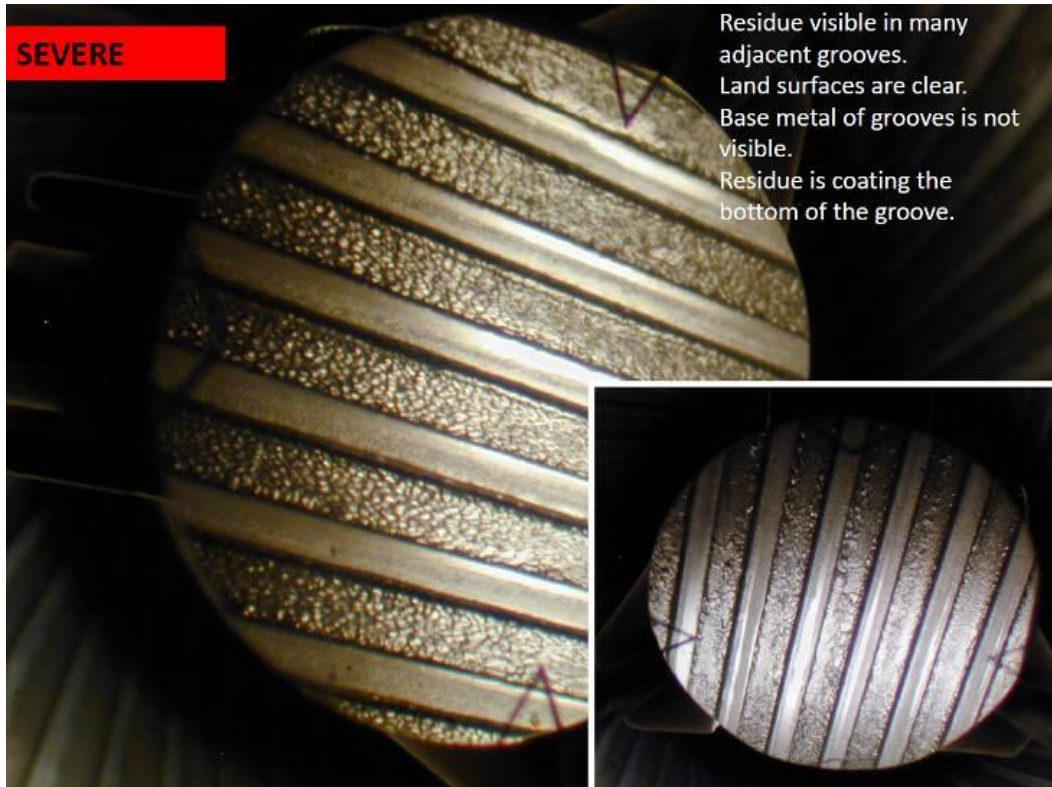


MILD

Residue visible on lands and in grooves.
Base metal still visible over 50% of viewing area.



SEVERE PHOTO EXAMPLES:

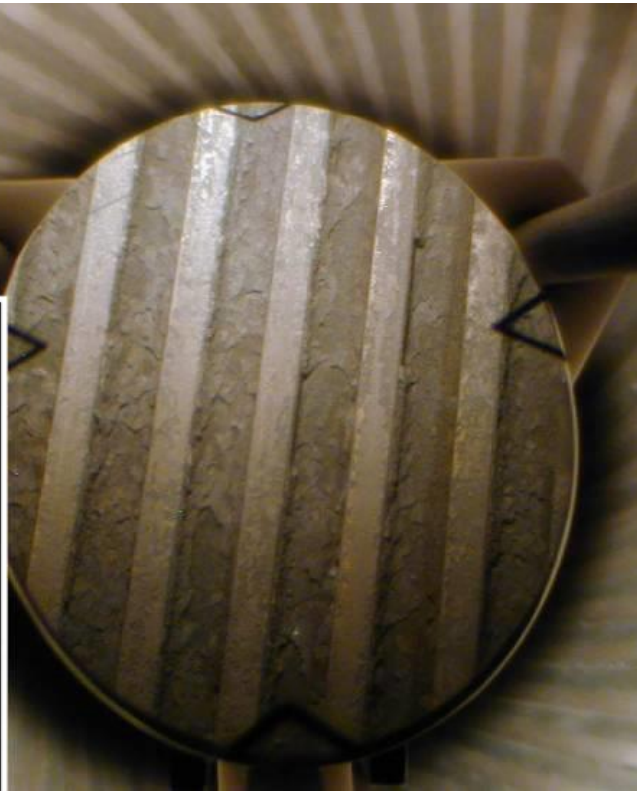
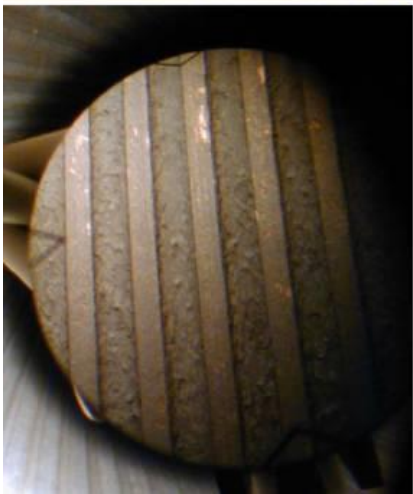


AIN 024-16A

SEVERE PHOTO EXAMPLES:

SEVERE

Residue and/or copper visible
on lands and in grooves.
Base metal visible not visible.
Proper serviceability inspection
is being masked by the residue deposit.



SEVERE

Residue and/or copper visible
on lands and in grooves. Base
metal is NOT visible. Grooves
might be completely filled up.
Proper serviceability
inspection is being masked by
the residue deposit.

